CLAIMS

1. An agent for preventing HIV infection in transfusing blood or using a blood product, which comrises a compound having a CCR antagonistic effect.

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- 2. An agent as claimed in claim 1, wherein CCR is CCR5 and/or CCR2.
- An agent as claimed in claim 1, wherein the 3. compound having CCR antagonistic effect. is N-(3,4-10 dichlorophenyl)-1-(methylsulfonyl)-N-{3-[4-({4-[(methylsulfonyl)amino]phenyl}sulfonyl)-1piperidinyl]propyl}-4-piperidinecarboxamide, N - (3 chlorophenyl)-1-(methylsulfonyl)-N-(3-{4-[4-(methylsulfonyl)benzyl]-1-piperidinyl}propyl)-4piperidinecarboxamide, $N-(3-\{4-[4-(aminocarbonyl)benzyl]-1-$ 15 piperidinyl}propyl)-N-(3,4-dichlorophenyl)-1-(methylsulfonyl)-4-piperidinecarboxamide, 1-acetyl-N-(3-{4-[4-(aminocarbonyl)benzyl]-1-piperidinyl}propyl)-N-(3chloro-4-methylphenyl)-4-piperidinecarboxamide, N-(3,4-
- dichlorophenyl) -N- (3-{4-[4-(ethylsulfonyl)benzyl]-1piperidinyl}propyl) -1- (methylsulfonyl) -4piperidinecarboxamide, N- (3, 4-dichlorophenyl) -N- (3-{4-[4-(isopropylsulfonyl)benzyl]-1-piperidinyl}propyl) -1(methylsulfonyl) -4-piperidinecarboxamide, N- (3-
- 25 chlorophenyl) $-N-(3-\{4-[4-(isopropylsulfonyl)benzyl]-1-$

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piperidinyl}propyl)-1-(methylsulfonyl)-4-
     piperidinecarboxamide,
                              N-(3-chlorophenyl)-N-(3-{4-[4-
      (ethylsulfonyl)benzyl]-1-piperidinyl}propyl)-1-
      (methylsulfonyl)-4-piperidinecarboxamide,
                                                         N-(3,4-
5
     dichlorophenyl) -1- (methylsulfonyl) -N- (3-{4-[4-
      (methylsulfonyl)benzyl]-1-piperidinyl}propyl)-4-
     piperidinecarboxamide, N-(3-{4-[4-(aminocarbonyl)benzyl]-1-
     piperidinyl}propyl)-N-(3-chloro-4-methylphenyl)-1-
      (methylsulfonyl)-4-piperidinecarboxamide, N-[3-(4-benzyl-1-
10
     piperidinyl)propyl]-N'-(4-chlorophenyl)-N-phenylurea,
      (4-\text{chlorophenyl})-N-\{3-[4-(4-\text{fluorobenzyl})-1-
     piperidinyl]propyl}-N-phenylurea, N'-(4-chlorophenyl)-N-(3-
     {4-[4-(4-morpholinylsulfonyl)benzyl]-1-piperidinyl}propyl)-
     N-phenylurea,
                              15
     methylsulfonyl)benzyl]-1-piperidinyl}propyl)-N-phenylurea,
     4-{[1-(3-{[(4-chloroanilino)carbonyl]anilino}propyl)-4-
     piperidinyl]methyl}benzamide,
                                               N-[3-(4-benzyl-1-
     piperidinyl)propyl]-N-(3,4-dichlorophenyl)-1-methyl-5-oxo-
     3-pyrrolidinecarboxamide,
                                      1-benzyl-N-[3-(4-benzyl-1-
20
     piperidinyl)propyl]-5-oxo-N-phenyl-3-pyrrolidinecarboxamide,
     N-[3-(4-benzyl-1-piperidinyl)propyl]-1-(2-chlorobenzyl)-5-
     oxo-N-phenyl-3-pyrrolidinecarboxamide,
                                                          N-(3,4-
     dichlorophenyl) -N-\{3-[4-(4-fluorobenzyl)-1-
     piperidinyl]propyl}-1-methyl-5-oxo-3-pyrrolidinecarboxamide,
25
     N-[3-(4-benzyl-1-piperidinyl)propyl]-5-oxo-N-phenyl-1-
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- (2,2,2-trifluoroethyl)-3-pyrrolidinecarboxamide, N-(3,4dichlorophenyl)-N-(3-{4-[4-(methylsulfonyl)benzyl]-1piperidinyl}propyl)-2-[1-(methylsulfonyl)-4piperidinyl]acetamide, N-(3,4-dichlorophenyl)-N-(3-{4-[4(isopropylsulfonyl)benzyl]-1-piperidinyl}propyl)-2-[1(methylsulfonyl)-4-piperidinyl]acetamide, 3-(1-acetyl-4piperidinyl)-N-(3,4-dichlorophenyl)-N-(3-{4-[4-(methylsulfonyl)benzyl]-1-piperidinyl}propyl)propanamide,
 or N-(3,4-dichlorophenyl)-4-hydroxy-1-(methylsulfonyl)-N(3-{4-[4-(methylsulfonyl)benzyl]-1-piperidinyl}propyl)-4piperidinecarboxamide or a salt thereof.
- An agent as claimed in claim 1, wherein the 4. compound having CCR antagonistic effect is N-methyl-N-[4-[[[2-(4-methylphenyl)-6,7-dihydro-5H-benzocyclohepten-8-15 yl]carbonyl]amino]benzyl]piperidinium iodide, N-methyl-N-[4-[[[7-(4-methylphenyl)-2,3-dihydro-1-benzoxepin-4yl]carbonyl]amino]benzyl]piperidinium iodide, N - [4 - [N methyl-N-(tetrahydropyran-4-yl)aminomethyl]phenyl]-7-(4methylphenyl)-2,3-dihydro-1-benzoxepin-4-carboxamide, N-[4-20 [N-methyl-N-(tetrahydropyran-4-yl)aminomethyl]phenyl]-7-(4morpholinophenyl)-2,3-dihydro-1-benzoxepin-4-carboxamide, 7-(4-ethoxyphenyl)-N-[4-[N-methyl-N-(tetrahydropyran-4yl)aminomethyl]phenyl]-2,3-dihydro-1-benzoxepin-4carboxamide, N, N-dimethyl-N-[4-[[[2-(4-methylphenyl)-6,7-25 dihydro-5H-benzocyclohepten-8-yl]carbonyl]amino]benzyl]-N-

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(tetrahydropyran-4-yl)ammonium iodide, N-methyl-N-[4-[[[7-
      (4-methylphenyl)-3,4-dihydronaphthalen-2-
     yl]carbonyl]amino]benzyl]piperidinium iodide, N,N-dimethyl-
     N-(4-(((2-(4-methylphenyl)-6,7-dihydro-5H-benzocyclohepten-
5
     8-yl)carbonyl)amino)benzyl)-N-(4-tetrahydropyranyl)ammonium
     chloride, N, N-dimethyl-N-(((7-(4-methylphenyl)-2,3-dihydro-
     1-benzoxepin-4-yl)carbonyl)amino)benzyl)-N-(4-
     oxocyclohexyl) ammonium
                                   chloride,
                                                   N-(4-((7-(4-
     ethoxyphenyl) -2, 3-dihydro-1-benzoxepin-4-
10
     yl) carbonyl) amino) benzyl) -N, N-dimethyl-N-(4-
                                   chloride, N-[4-[N-methyl-N-
     tetrahydropyranyl)ammonium
      (tetrahydropyran-4-yl)aminomethyl]phenyl]-7-(4-
     propoxyphenyl)-1,1-dioxo-2,3-dihydro-1-benzothiepin-4-
                             7-(4-butoxyphenyl)-N-[4-[N-methyl-N-
     carboxamide,
15
      (tetrahydropyran-4-yl)aminomethyl]phenyl]-1,1-dioxo-2,3-
     dihydro-1-benzothiepin-4-carboxamide, 7-[4-[N-methyl-N-(2-
     propoxyethyl)amino]phenyl]-N-[4-[[N-methyl-N-
      (tetrahydropyran-4-yl)amino]methyl]phenyl]-1,1-dioxo-2,3-
     dihydro-1-benzothiepin-4-carboxamide,
                                                         7-[4-(2-
20
     ethoxyethoxy)phenyl]-N-[4-[[N-methyl-N-(tetrahydropyran-4-
     yl)amino]methyl]phenyl]-1,1-dioxo-2,3-dihydro-1-
     benzothiepin-4-carboxamide,
                                               N-[4-[[N-methyl-N-
      (tetrahydropyran-4-yl)amino]methyl]phenyl]-7-[4-(2-
     propoxyethoxy) phenyl]-1,1-dioxo-2,3-dihydro-1-benzothiepin-
25
      4-carboxamide,
                         7-[4-(2-butoxyethoxy)phenyl]-N-[4-[N-
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methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-1,1-
     dioxo-2,3-dihydro-1-benzothiepin-4-carboxamide,
     ethoxyethoxy)-3,5-dimethylphenyl]-N-[4-[[N-methyl-N-
      (tetrahydro-2H-pyran-4-yl)amino]methyl]phenyl]-1,1-dioxo-
 5
     2,3-dihydro-1-benzothiepin-4-carboxamide, 7-[2-chloro-4-(2-
     propoxyethoxy) phenyl] -N-[4-[[N-methyl-N-(tetrahydropyran-4-
     yl)amino]methyl]phenyl]-1,1-dioxo-2,3-dihydro-1-
     benzothiepin-4-carboxamide, 7-(3-methyl-4-propoxyphenyl)-N-
      [4-[[N-methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-
10
     1,1-dioxo-2,3-dihydro-1-benzothiepin-4-carboxamide, 7-(3,4-
     dipropoxyphenyl)-N-(4-((N-methyl-N-(tetrahydro-2H-pyran-4-
     yl)amino)methyl)phenyl)-1,1-dioxo-2,3-dihydro-1-
     benzothiepin-4-carboxamide, 7-[4-(2-ethoxyethoxy)phenyl]-1-
     ethyl-N-[4-[[N-methyl-N-(tetrahydropyran-4-
15
     y1)amino]methy1]pheny1]-2,3-dihydro-1-benzoazepin-4-
                     1-ethyl-7-[4-(2-propoxyethoxy)phenyl]-N-[4-
     carboxamide,
      [[N-methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-
     2,3-dihydro-1-benzoazepin-4-carboxamide,
                                                         7-[4-(2-
     butoxyethoxy)phenyl]-1-ethyl-N-[4-[[N-methyl-N-
20
      (tetrahydropyran-4-yl)amino]methyl]phenyl]-2,3-dihydro-1-
     benzoazepin-4-carboxamide, 7-[4-(2-ethoxyethoxy)phenyl]-1-
      formyl-N-[4-[[N-methyl-N-(tetrahydropyran-4-
     y1)amino]methy1]pheny1]-2,3-dihydro-1-benzoazepin-4-
     carboxamide,
                     1-formyl-7-[4-(2-propoxyethoxy)phenyl]-N-[4-
25
      [[N-methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-
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7-[4-(2-
      2,3-dihydro-1-benzoazepin-4-carboxamide,
      butoxyethoxy) phenyl]-1-formyl-N-[4-[[N-methyl-N-
      (tetrahydropyran-4-yl)amino]methyl]phenyl]-2,3-dihydro-1-
      benzoazepin-4-carboxamide, 7-[4-(2-butoxyethoxy)phenyl]-N-
5
      [4-[N-methyl-N-(tetrahydropyran-5-yl)amino]methyl]phenyl]-
      1-propyl-2,3-dihydro-1-benzoazepin-4-carboxamide, N-[4-[[N-
      methyl-N-(tetrahydropyran-5-yl)amino]methyl]phenyl]-7-[4-
      (2-propoxyethoxy)phenyl]-1-propyl-2,3-dihydro-1-
     benzoazepin-4-carboxamide,
                                                 1-benzyl-7-[4-(2-
10
      butoxyethoxy)phenyl]-N-[4-[[N-methyl-N-(tetrahydropyran-4-
      yl)amino]methyl]phenyl]-2,3-dihydro-1-benzoazepin-4-
                                  7-[4-(2-butoxyethoxy)phenyl]-1-
      carboxamide,
      cyclopropylmethyl-N-[4-[[N-methyl-N-(tetrahydropyran-4-
      y1)amino]methy1]pheny1]-2,3-dihydro-1-benzoazepin-4-
15
      carboxamide, 7-[4-(2-butoxyethoxy)phenyl]-N-[4-[[N-methyl-
      N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-1-phenyl-2,3-
      dihydro-1-benzoazepin-4-carboxamide,
                                                          7-[4-(2-
      butoxyethoxy) phenyl]-1-(3,4-methylenedioxy) phenyl-N-[4-[[N-
      methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-2,3-
20
      dihydro-1-benzoazepin-4-carboxamide,
                                                          7-[4-(2-
      butoxyethoxy) phenyl] -1-(2-methyloxazol-5-yl)-N-[4-[N-methyloxazol-5-yl)]
      methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-2,3-
      dihydro-1-benzoazepin-4-carboxamide, 1-ally1-7-[4-(2-
      butoxyethoxy)phenyl]-N-[4-[[N-methyl-N-(tetrahydropyran-4-
25.
      y1)amino]methyl]phenyl]-2,3-dihydro-1-benzoazepin-4-
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carboxamide, 7-[4-(2-butoxyethoxy)phenyl]-N-[4-[[N-methyl-
     N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-1-(3-
     thienyl)methyl-2,3-dihydro-1-benzoazepin-4-carboxamide,
                                                               7-
      [4-(2-butoxyethoxy)phenyl]-N-[4-[[N-methyl-N-
5
      (tetrahydropyran-4-yl)amino]methyl]phenyl]-1-(thiazol-2-
     y1)methy1-2,3-dihydro-1-benzoazepin-4-carboxamide, 7-[4-(2-
     butoxyethoxy)phenyl]-1-(1-methylpyrazol-4-yl)methyl-N-[4-
      [[N-methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-
     2,3-dihydro-1-benzoazepin-4-carboxamide,
                                                         7-[4-(2-
10
     butoxyethoxy)phenyl]-1-(3-methylisothiazol-5-yl)methyl-N-
     [4-[[N-methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-
     2,3-dihydro-1-benzoazepin-4-carboxamide,
                                                         7-[4-(2-
     butoxyethoxy) phenyl]-1-(1-ethylpyrazol-4-yl) methyl-N-[4-
      [[N-methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-
15
     2,3-dihydro-1-benzoazepin-4-carboxamide,
                                                         7-[4-(2-
     butoxyethoxy)phenyl]-1-isobutyl-N-[4-[[N-methyl-N-
      (tetrahydropyran-5-yl)amino]methyl]phenyl]-2,3-dihydro-1-
                                    1-isobutyl-N-[4-[[N-methyl-N-
     benzoazepin-4-carboxamide,
                                                         7-[4-(2-
      (tetrahydropyran-5-yl)amino]methyl]phenyl]-
20
     propoxyethoxy) phenyl]-2, 3-dihydro-1-benzoazepin-4-
     carboxamide, 7-[4-(2-butoxyethoxy)phenyl]-N-[4-[N-methyl-
     N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-1-(thiazol-5-
     yl)methyl-2,3-dihydro-1-benzoazepin-4-carboxamide, 7-[4-(2-
     butoxyethoxy)phenyl]-N-[4-[[N-methyl-N-(tetrahydropyran-4-
25
     yl)amino]methyl]phenyl]-1-(1-methyltetrazol-5-yl)methyl-
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- 2,3-dihydro-1-benzoazepin-4-carboxamide, or 7-[4-(2-butoxyethoxy)phenyl]-N-[4-[[N-methyl-N-(tetrahydropyran-4-yl)amino]methyl]phenyl]-1-(2-methyltetrazol-5-yl)methyl-2,3-dihydro-1-benzoazepin-4-carboxamide or a salt thereof.
- 5. Blood for transfusion or blood product, which contains a compound having a CCR antagonistic effect.

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- 6. A method for preventing HIV infection which comprises administering a blood for transfusion or blood product each of which contains a compound having CCR antagonistic effect.
- 7. A method for preventing HIV infection which comprises administering an effective amount of a compound having CCR antagonistic effect in transfusing blood transfusion or using a blood product.
- 15 8. A method as claimed in claim 7, wherein the time of blood transfusion or blood product use is from one hour before blood transfusion or blood product use to the time of blood transfusion or blood product use.